

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
MARQUETTE (WI-Z046), GREEN LAKE (WI-Z047), FOND DU LAC (WI-Z051), SHEBOYGAN (WI-Z052), SAUK (WI-Z056), COLUMBIA (WI-Z057), DODGE (WI-Z058), WASHINGTON (WI-Z059), OZAUKEE (WI-Z060)				
	03/01/07 00:00 CST		0	Winter Weather
	03/01/07 12:00 CST		0	
A quick burst of 1 to 2 inches of snow, mixed with some freezing rain affected several counties north of the Madison to Milwaukee area. Numerous vehicle accidents were noted in newspapers.				
MARQUETTE (WI-Z046), GREEN LAKE (WI-Z047), FOND DU LAC (WI-Z051), SHEBOYGAN (WI-Z052), SAUK (WI-Z056), COLUMBIA (WI-Z057), DODGE (WI-Z058), WASHINGTON (WI-Z059), OZAUKEE (WI-Z060), IOWA (WI-Z062), DANE (WI-Z063), JEFFERSON (WI-Z064), WAUKESHA (WI-Z065), MILWAUKEE (WI-Z066), LAFAYETTE (WI-Z067), GREEN (WI-Z068), ROCK (WI-Z069), WALWORTH (WI-Z070), RACINE (WI-Z071), KENOSHA (WI-Z072)				
	03/02/07 09:00 CST		0	Winter Weather
	03/02/07 23:00 CST		0	
Low pressure moving northeast through central Wisconsin dumped another round of snow across south-central and southeast Wisconsin. Generally 1 to 2 inches fell south of a Madison to Milwaukee line, while 3 to 4 inches fell north of this line. Maximum amounts were 4.2 inches in the city of Fond du Lac (Fond du Lac Co.) and 4 inches in Reedsburg (Sauk Co.). Gusty southwest to west winds to 26 knots (30 mph) resulted in considerable blow and drifting of the snow. Snow drifts were reported to be 1 to 2 feet deep on some north-south roads, and some local near-whiteout conditions were also noted in open, exposed areas. Numerous vehicle accidents were reported in newspapers.				
IOWA (WI-Z062), DANE (WI-Z063), JEFFERSON (WI-Z064), WAUKESHA (WI-Z065), LAFAYETTE (WI-Z067), GREEN (WI-Z068), ROCK (WI-Z069), WALWORTH (WI-Z070), RACINE (WI-Z071), KENOSHA (WI-Z072)				
	03/09/07 17:00 CST		0	Dense Fog
	03/09/07 23:00 CST		0	
Rain falling on a snow cover undergoing melting resulted in dense fog over parts of south-central and southeast Wisconsin once the winds dropped off. Visibilities were reduced to 1/4 mile. Several vehicle accidents were noted in newspaper reports.				
KENOSHA COUNTY				
WHEATLAND	03/12/07 01:00 CST		25K	Flood (due to Heavy Rain / Snow Melt)
WILMOT	03/28/07 19:00 CST		0	42.6N, 88.2W ~ 42.52N, 88.18W
The Fox River at New Munster (Kenosha Co.) went more than 2 feet above flood stage, and remained above flood stage for the longest period of time (compared to other rivers in south-central and southeast Wisconsin) - from March 12th through March 29th. Low-land river flooding along the Fox River in western Kenosha County resulted in some minor damage to contents in basements of homes and some soil erosion. At the New Munster gage site, the river crested at 12.34 feet at 0245CST on March 15th, 2.34 inches over flood stage.				
Rapid snowmelt of a deep and wet snowpack, along with some rain, resulted in rising water levels in many of the larger rivers in south-central and southeast Wisconsin during the period of March 11th through March 19th. Most of the rivers reached bank-full status or slightly exceeded flood stage by 3 to 8 inches, resulting in minor low-land flooding. One river, The Fox River in western Kenosha County, stayed above flood stage through March 29th.				
SAUK COUNTY				
0.5 N SAUK CITY	03/21/07 15:55 CST		0	Hail (0.88 in)
2.0 NNE MERRIMAC	03/21/07 16:06 CST		0	43.2772N, 89.73W ~ 43.3967N, 89.6048W
COLUMBIA COUNTY				
OKEE	03/21/07 16:03 CST		0	Hail (0.75 in)
4.0 NE POYNETTE	03/21/07 16:20 CST		0	43.35N, 89.58W ~ 43.4409N, 89.3437W
ROCK COUNTY				
0.5 SW EDGERTON	03/21/07 16:11 CST		0	Hail (1.00 in)
4.0 N MILTON	03/21/07 16:15 CST		0	42.8249N, 89.077W ~ 42.8278N, 88.95W
GREEN COUNTY				
5.0 ENE ATTICA	03/21/07 16:40 CST		0	Hail (1.00 in)
	03/21/07 16:40 CST		0	42.7977N, 89.389W
ROCK COUNTY				

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UNION	03/21/07 16:45 CST		0	Hail (1.00 in)
	03/21/07 16:45 CST		0	42.82N, 89.3W
DANE COUNTY				
4.0 SSE OREGON	03/21/07 16:50 CST		0	Hail (0.75 in)
ROCKDALE	03/21/07 17:10 CST		0	42.8766N, 89.3498W ~ 42.97N, 89.03W
JEFFERSON COUNTY				
1.0 S JEFFERSON	03/21/07 17:10 CST		0	Hail (0.75 in)
1.0 NE JEFFERSON	03/21/07 17:12 CST		0	42.9855N, 88.8W ~ 43.0102N, 88.786W
JEFFERSON COUNTY				
5.0 W JEFFERSON	03/21/07 17:20 CST		0	Hail (0.75 in)
	03/21/07 17:20 CST		0	43N, 88.8988W
ROCK COUNTY				
2.0 N EVANSVILLE	03/21/07 17:30 CST		0	Hail (0.88 in)
2.0 W EDGERTON	03/21/07 17:45 CST		0	42.8089N, 89.3W ~ 42.83N, 89.1094W
DANE COUNTY				
2.0 SE ALBION	03/21/07 17:50 CST		0	Hail (1.00 in)
	03/21/07 17:50 CST		0	42.8596N, 89.0421W
JEFFERSON COUNTY				
BUSSEYVILLE	03/21/07 17:58 CST		0	Hail (0.75 in)
	03/21/07 17:58 CST		0	42.9N, 88.98W
DODGE COUNTY				
4.0 S CLYMAN	03/21/07 18:06 CST		0	Hail (1.00 in)
	03/21/07 18:08 CST		0	43.2622N, 88.72W
DODGE COUNTY				
3.0 SE HUSTISFORD	03/21/07 18:22 CST		0	Hail (0.75 in)
	03/21/07 18:22 CST		0	43.3193N, 88.5578W
WAUKESHA COUNTY				
1.0 W OCONOMOWOC	03/21/07 18:28 CST		0	Hail (0.75 in)
5.0 N OCONOMOWOC	03/21/07 18:35 CST		0	43.12N, 88.4998W ~ 43.1923N, 88.48W
WAUKESHA COUNTY				
1.0 SW PEWAUKEE	03/21/07 18:49 CST		0	Hail (0.75 in)
	03/21/07 18:49 CST		0	43.0698N, 88.284W
WAUKESHA COUNTY				
4.0 SSE MENOMONEE FALLS	03/21/07 19:05 CST		0	Hail (0.75 in)
	03/21/07 19:05 CST		0	43.1266N, 88.0697W
MILWAUKEE COUNTY				
1.0 NNW BROWN DEER	03/21/07 19:11 CST		0	Hail (0.75 in)
	03/21/07 19:11 CST		0	43.1834N, 87.9776W
MILWAUKEE COUNTY				
BROWN DEER	03/21/07 19:13 CST		0	Hail (0.88 in)
	03/21/07 19:13 CST		0	43.17N, 87.97W
The ground was covered white by the hail.				
OZAUKEE COUNTY				
2.0 SSW PORT WASHINGTON	03/21/07 19:18 CST		0	Hail (0.75 in)
	03/21/07 19:18 CST		0	43.3533N, 87.8852W

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OZAUKEE COUNTY				
3.0 NW CEDARBURG	03/21/07 19:27 CST		0	Hail (0.75 in)
	03/21/07 19:27 CST		0	43.3107N, 88.0221W
RACINE COUNTY				
2.0 WNW UNION GROVE	03/21/07 19:27 CST		0	Hail (0.88 in)
	03/21/07 19:27 CST		0	42.6911N, 88.0863W
RACINE COUNTY				
3.0 NE UNION GROVE	03/21/07 19:31 CST		0	Hail (0.75 in)
	03/21/07 19:31 CST		0	42.7107N, 88.0083W
RACINE COUNTY				
2.0 E UNION GROVE	03/21/07 19:35 CST		0	Hail (0.75 in)
	03/21/07 19:35 CST		0	42.68N, 88.0107W
RACINE COUNTY				
2.0 W STURTEVANT	03/21/07 19:39 CST		0	Hail (0.88 in)
	03/21/07 19:39 CST		0	42.7N, 87.9393W
KENOSHA COUNTY				
6.0 NNW KENOSHA	03/21/07 19:50 CST		0	Hail (0.75 in)
	03/21/07 19:50 CST		0	42.6601N, 87.8751W
MILWAUKEE COUNTY				
3.7 NE TIMMERMAN ARPT	03/21/07 20:11 CST		0	Hail (0.75 in)
	03/21/07 20:11 CST		0	43.1578N, 87.9782W
KENOSHA COUNTY				
3.6 NE SOMERS	03/21/07 20:50 CST		0	Hail (0.75 in)
	03/21/07 20:50 CST		0	42.6868N, 87.8499W
After a warm front moved north through south-central and southeast Wisconsin, an upper-level short-wave trough interacted with unstable air to produce scattered clusters of severe storms with large hail. This was round one of a two-part severe weather punch associated with the same large-scale synoptic weather system.				
DANE COUNTY				
1.0 N SUN PRAIRIE	03/22/07 00:15 CST		0	Hail (0.75 in)
	03/22/07 00:15 CST		0	43.1945N, 89.2W
DANE COUNTY				
0.7 S MONONA	03/22/07 00:40 CST		0	Hail (0.88 in)
	03/22/07 00:40 CST		0	43.0599N, 89.32W
DANE COUNTY				
VERONA	03/22/07 00:53 CST		0	Hail (0.75 in)
	03/22/07 00:53 CST		0	42.98N, 89.53W
WAUKESHA COUNTY				
HARTLAND	03/22/07 01:10 CST		0	Hail (1.75 in)
	03/22/07 01:15 CST		0	43.1N, 88.35W
WAUKESHA COUNTY				
MUKWONAGO	03/22/07 01:49 CST		0	Hail (0.88 in)
	03/22/07 01:49 CST		0	42.87N, 88.33W

A band of thunderstorms, with some of the storms dumping large hail, developed in a low-level convergence zone ahead of an approaching cold front. The storms were aided by a strengthening low-level jet. The band of storms weakened as it approached Lake Michigan. This was round number two when considering the large-scale synoptic weather system.

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JEFFERSON (WI-Z064), WAUKESHA (WI-Z065), MILWAUKEE (WI-Z066), LAFAYETTE (WI-Z067), GREEN (WI-Z068), ROCK (WI-Z069), WALWORTH (WI-Z070), RACINE (WI-Z071), KENOSHA (WI-Z072)				
	03/23/07 20:00 CST		0	Dense Fog
	03/24/07 09:00 CST		0	

Dense fog developed overnight across most of south-central and southeast Wisconsin. Visibilities dropped to 1/8 to 1/4 mile, resulting in delayed or cancelled flights at Milwaukee Mitchell Field (Milwaukee Co.), at Madison Truax Field (Dane Co.), and other airports. Newspaper reports indicated that there were several vehicle accidents. Prior to the dense fog, scattered light rain fell during the afternoon and early evening hours. Weak low-level winds and a moist low-level atmosphere then set the stage for dense fog once the sky became mostly clear.

SHEBOYGAN (WI-Z052), WASHINGTON (WI-Z059), OZAUKEE (WI-Z060), DANE (WI-Z063), GREEN (WI-Z068), WALWORTH (WI-Z070), RACINE (WI-Z071), KENOSHA (WI-Z072)

03/25/07 01:00 CST	0	Dense Fog
03/25/07 11:00 CST	0	

Dense fog developed overnight over 3 areas of south-central and southeast Wisconsin - in the West Bend to Sheboygan/Port Washington area (0600-1100CST), in the Madison to Monroe area (0100-0700CST), and in the Elkhorn to Racine/Kenosha area (0400-0900CST). Visibilities were reduced to 1/8 to 1/4 mile, resulting in some airplane delays or cancellations. Just prior to the dense fog development, scattered showers and storms occurred with a warm front moving north through the region. A moist southeast low-level wind flow and clearing skies aided in the dense fog formation. Interestingly, after the warm front passage and subsequent dense fog, daily record maximum temperatures of 80 at Milwaukee Mitchell Field (Milwaukee Co.), and 79 at Madison Truax Field (Dane Co.) were set on March 26, 2007. The old records were 75 (in 1998), and 76 (in 1907), respectively. Additionally, new daily and all-time March record high minimum temperatures of 63 at Milwaukee Mitchell Field and 59 at Madison Truax Field were set on March 26, 2007. The old all-time March records were 60 (on March 24, 1910), and 55 (on March 14, 1990), respectively.

DANE (WI-Z063)

03/27/07 06:00 CST	0.30M	Winter Weather
03/27/07 18:00 CST	0	

On March 27th, a large sink hole developed on State Street in Madison (Dane County) due to a large water main break. This was the 117th water main break in the city of Madison for March, 2007. Usually there is only about 6 to 12 in some of the rougher winter months. Very cold temperatures and little snow cover in the first part of March, 2007, allowed the ground to freeze deeper. Subsequent freeze-thaw periods forced the ground under streets to shift/move, resulting in the numerous water main breaks. The \$300K damage amount is an estimate.

FOND DU LAC COUNTY

FOND DU LAC	03/31/07 16:45 CST	10K	Lightning
	03/31/07 16:45 CST	0	43.78N, 88.45W

Lightning struck a city of Fond du Lac home. There was no fire, but the home's electrical wiring was damaged, and a hole was punched in the roof of a porch.

LAFAYETTE COUNTY

4.0 W BELMONT	03/31/07 18:15 CST	0	Funnel Cloud
BELMONT	03/31/07 18:20 CST	0	42.73N, 90.4087W ~ 42.73N, 90.33W

IOWA COUNTY

MINERAL PT	03/31/07 18:30 CST	0	Hail (0.75 in)
	03/31/07 18:30 CST	0	42.85N, 90.18W

Scattered severe storms produced large hail, and one report of a funnel cloud. A rotating wall cloud was observed by a trained spotter about 6 miles west of the Madison State Capitol. Some of the storms that became supercellular displayed moderate mesocyclones in their updraft towers. Synoptically, a warm front stalled over northern Illinois, resulting in sufficient vertical wind shear that supported rotating updrafts. However, the depth of the cooler air below the elevated convection prevented actual tornado development.